AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. - 15. (Canceled).

16. (Previously Presented) A computer-readable medium containing instructions for controlling a data processing system to perform a method for supplying data to a view presenting a model, the view having at least one user interface (UI) element and relating to a controller for manipulating the model, the method comprising:

creating a run-time data structure in a storage area that relates to the controller, the run-time data structure being based on a design-time data structure, the design-time data structure including a structure element that is bound to the UI element; and

using a supply function to provide content for the run-time data structure.

17. (Previously Presented) A computer-readable medium containing instructions for controlling a data processing system to perform a method for accessing application data by an application using a model of the application and at least one controller for manipulating the model, the method comprising:

providing a storage area that relates to the controller, the storage area being organized according to a design-time data structure having declared relationships between the application data, and storing a run-time data structure that is based on the design-time data structure;

accessing a structure element of the run-time data structure, the structure

element comprising a node collection;

evaluating the node collection; and

if the result of evaluating the node collection requires filling at least one

element of the node collection:

sending a query to a computer system; and

in response to the query, receiving from the computer system at least one

data instance that is used to fill the at least one element of the node collection.

18.   (New) A computer-readable medium containing instructions for

controlling a data processing system to perform a method, the method comprising:

establishing a model, the model implementing application logic of an

application;

establishing at least one view for presenting the model, the view

comprising a user interface (UI) element which is bound to a first data structure;

establishing at least one controller for manipulating the model, the at least

one controller relating to the at least one view; and

establishing at least one storage area, the at least one storage area

relating to the at least one controller and storing an instance of the first data structure,

the instance of the first data structure comprising data having been stored in the storage

area by an access method associated with the at least one controller, the first data

structure having been declared prior to execution of the application.

19.   (New) The computer-readable medium of claim 18, wherein the instance of the first data structure comprises one or more node elements, each node element comprising one or more data fields based on the first data structure.

20.   (New) The computer-readable medium of claim 19, wherein one or more of the node elements are grouped into a node collection.

21.   (New) The computer-readable medium of claim 20, wherein one or more of the node elements in the node collection are grouped into a node selection.

22.   (New) The computer-readable medium of claim 21, wherein one of the node elements in the node selection is identified as a lead selection element.

23.   (New) The computer-readable medium of claim 22, wherein the UI element displays data from the lead selection element.

24.   (New) The computer-readable medium of claim 18, wherein the access method is part of an application programming interface (API) for accessing the instance of the first data structure.

25.   (New) The computer-readable medium of claim 18, wherein the method further comprises:

establishing an instance of a second data structure, the second data structure having been declared to be a child of the first data structure prior to execution of the application.

26.   (New) The computer-readable medium of claim 25, wherein the instance of the first data structure comprises one or more node elements of a first type grouped into a first node collection, and the instance of the second data structure comprises one or more node elements of a second type grouped into a second node collection.

27.   (New) The computer-readable medium of claim 26, wherein one of the node elements in the first node collection is identified as a selected element, and wherein the node elements in the second node collection depend on the selected element.

28.   (New) The computer-readable medium of claim 26, wherein the second node collection has a state.

29.   (New) The computer-readable medium of claim 28, wherein the state is selected from the group of valid, invalid, and unfilled.

30.   (New) The computer-readable medium of claim 29, wherein the method further comprises:

establishing a supply function for determining a content of the one or more node elements in the second node collection if the state of the second node collection is invalid or unfilled.

31.   (New) The computer-readable medium of claim 30, wherein the supply function is implemented as a method of the at least one controller.